BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Rate Analysis

Name of Work:-Modified estimate for Construction of Samudaya Bhavana and other civil works at Shivamandira Road in ward No-02 of Yelahanka Sub Division.

Estimated Cost RS:-75.00 Lakh,s

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Approved Tender Amount RS:- 68,80,144.00 (Excluding GST 12%)

Tender Premium:- 4.85% Above

Sl.No	Abstract Sl.No	Description of work	Unit	Basic Rate	Lift charges 1st floor	Sub Total RS	Area Weightage@ 6%	Area Weightage@ 8%	Total Rs	Tender Premium (+4.85%)	Grand Total RS
1	2	3	4	5	6	7	8	9	10	11	12
5	E-1	KSRBKB M100-1 Loading and un loading of stoneboulder Stone,aggregates,sand,kankar Moorum.KSRRBM100-1 Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications (P.No.136, I.No.17.1 of PW,P&IWTD SR 2018-19).	Cum	57.00	5.12	62.12	3.42		65.54	3.18	68.72
6	E-2	Vacuum dewatering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator,HOM of machinery screed vibratory,power floater,blade and disk etc.,with all lead and lift etc as per specifications . (Page No. 176 & Item No.22.7of PW, P&IWTD SR 2018-19)	Sqm	68.00			4.08		72.08	6.94	150.04
7	E-3	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine,generator&HOM of machinery,including cost of blade,coolant etc as per specifications as per specifications. (Page No. 176 & Item No.22.8of PW, P&IWTD SR 2018-19)	Rmtr	135.00			8.10		143.10	13.04	281.96
8	E-4	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.No.KBS 2.1 (a) 2.3.1 KSRB 2-1.1:-do- ordinary soil **(BCSR Item No 2.1 Page No 6)**	Cum	249.00				19.92	268.92	13.04	281.96
16	E-5	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured)**BCSR Item No 3.2,Page No. 10)**	Cum	106.00				8.48	114.48	5.55	120.03
34	E-6	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X150X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.2	Sqm	953.00	35.00	988.00		79.04	1067.04	51.75	1118.79
58	E-7	Providing and fixing MS Grill over existing Compond Wall as Per using 16mm x 16mm M.S.Square Rod at 150mm c/c spacing and ferule s40mm MS.flats at horizontal and ferul s12mm M.S. flat for ornamental Design at the vertex of every vertical rods,including welding,grinding wherever necessary.All the steel surface should be throughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc complete.The work includes cost of all materials ,labour charges for all items of work ,hire charges for welding,cutting and grinding equipment,and electricity charges etc,Complete as per specification.(P.No 44 of I.No.7.36 in PW,P&IWTD SR 2018-19).	Sqm	5369.00				429.52	5798.52	281.23	6079.75
61	E-8	Providing and fixing to wall, ceiling and floor, low densitypolyethylenepipes 6.00 kgf/sq cm working pressure **110mm outsidediameter** with special flange, compression type fittings, wall clips, makinggood the wall, ceiling and floor, including cost of all materials, labourcharges, HOM of equipments and testing complete as per specifications.(P.No 95 of I.No.13.70.5 in PW,P&IWTD SR 2018-19).	Mtr	450.00				36.00	486.00	23.57	509.57

79	E-9	Providing and Laying Pre cast chain Slabs of thick 250mm thick of mix M20 using graded granite jelly 20mm and down size with steel reinforcement,including form work,bill charges,curing and concrete finishing surface on both sides etc,completeas per drawing and direction of the engineer in charge of work.	Sqm	5418.00							262.77	5680.77
80	E-10	Supplying and fixing bylun brand hard plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc . and fixing on existing wood or metal box using N.F.screws. (Pg. No. 17 lt. No. 3.10).	Sqcm	0.22							0.01	0.23
81	E-11	Fixing a ceiling /wall mounting fan of all capacities and as types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (Pg. No. 109 lt. No. 17.8).	Each	139.00							6.74	145.74
82	E-12	Supplying and fixing of Procelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washers etc., complete a)63 Amps. (Pg. No. 45 lt. No. 6.7.3).	Each	234.00							11.35	245.35
83	E-13	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC extruded inner sheathed,galvanized, steel strip (except 2CX10Sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1 1988 & confirming to GTP of GROUP-A. a) 4 core 16 sqmm. (Pg No. 55 lt. No. 7.4.4).	Mtr	140.40							6.81	147.21
84	E-14	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe on wall / on pole as required, In existing trench / duct. a) 6 sqm to 16 sqmm. (Pg No. 61 lt. No. 7.8.1).	Mtr	10.80							0.52	11.32
85	E-15	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (Pg No. 61 lt. No. 7.9.1, 7.9.5)										
		b) C.C. cutting	Mtr	212.00							10.28	222.28
86	E-16	Supplying and fixing miniature circuit breakes on existing CS distribution boards using necessary ruing materials and wiring complete as -1-d-ref .2. Group 'A'. (Pg. No. 47 lt. No. 6.16.2, 6.16.4).										
		d) 40-63Amps DP, Group A	Each	1093.00							53.01	1146.01
87	E-17	Supplying and flung of class A (medium duty) GI pipe of wall thick nmt not less than 3.25mm on pole/wall/drain crossing with necessary oclamping arrangements for UG cable of 1.1 KV class. (Pg. No. 62 lt. No. 7.12.1).										
		a) 40mm	Mtr	345.00							16.73	361.73
88	E-18	Fabricating supplying and mounting MS box made out SWG sealable ea floor / wall mounting, fully weather proof with provision for bolter heat dissipation. provided with hinged front cover. equipped with tamper proof locking arrangements, with suitable size clamps with 'necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished ii-r approved colour enamelled metal pan etc., complete. (Pg. No. 49 lt. No. 6.40.2)										
		b)16 SWG	Each	0.33							0.02	0.35
89	E-19	Supplying and fixing regular MCB distribution boards on wall/woodboard / flush mounting using reputed calmps, bead, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting etc., complete. II Double Door Group A.t Pg. No. 47 lt. No. 6.17 III.10).										
		a) 12Way TP &N	Each	5138.00							249.19	5387.19
90	E-20	Supplying exhaust fan of 1440 RPM of 300mm (12") size was bracket blades complete for light duty suitable to operate on 230V 50Hz. AC. (Pg. No. 78 lt. No. 9.1).	Each	1700.00							82.45	1782.45
91	E-21	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23/ 0.0076 inch PVC insulated twin core wire. (Pg. No. 109 lt. No. 17.12).	Each	412.00							19.98	431.98
92	E-22	Supplying and fixing cast Aluminium round or oblong type but head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp. (Pg. No. 29 lt. No. 4.4).	Each	952.00							46.17	998.17
93	E-23	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring 5 years Warranty against any manufacturing defect working under standard electrical condition. (Pg. No. 25 lt. No. 4.31).	Each	1868.00							90.60	1958.60
94	E-24	Supplying, fixing, wiring, earth electrode for grounding conduits, I C. cutouts and other r requirements on the meter board using 40mm dia 1.90 thick GI, pipe 25 mb long buried in a pit.... The pa should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through GI wire of size as per ISI specification 7.3.3. of IS 733 using 12mm dia bolts, nuts, washers and checkouts etc. the pipe shall have 16 through holes of 122mm dia. (Pg. No. 55 lt. No. 7.1)	Each	2727.00							132.26	2859.26

95	E-25	*Supplying box type suitable for 2*36 W TS single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast pack & type lamp holders holders & main connectors. Channel Cover shag be made of CRCA MS Sheet and finishing is done with stove enamelled white with end caps made of engineering plastic 1X4- 28 watts. (Pg. No. 20 It. No. 4.7.1)*	Each	990.00						48.02	1038.02
96	E-26	Fixing all types and as capacities fluorescent/ false ceiling/ spot light/ CFL fitting indoor on the wall/ ceiling/ rafters/ girders using 2.5/ 0.0076 twin twisted PVC insulated wires, required nos of round blocks and camps. A) On wall/ ceiling/ rafter/ girders. (Pg. No. 108 It. No. 17.7.1)	Each	98.00						4.75	102.75

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Executive Engineer
Yelahanka Division